

Letter for Electronic Distribution

Original signed letter on file at the following Address

Nevada Division of Environmental Protection
Bureau of Federal Facilities
333 W. Nye Lane
Carson City, NV 89706-0851

May 25, 2000

Ms. Runore Wycoff, Director
Environmental Restoration Division
U. S. Department of Energy
Nevada Operations Office
P. O. Box 98518
Las Vegas, NV 89193-8518

Re: Submittal of Estimated Cost and Schedule to Complete Resident Rancher/Farmer Dose Calculations for Clean Slate 2 and Clean Slate 3 (Your Ltr, March 27, 2000)

Dear Ms. Wycoff:

NDEP has reviewed the subject letter and the attached timeline for accomplishing specific tasks. This estimate seems highly inflated given that a majority of the input parameters for the RESRAD dose calculations should be identical to those used for Double Tracks. NDEP has historically requested additional detailed information from DOE to enable a full evaluation of the RESRAD model. DOE committed to providing this information on April 22, 1999 at a meeting with DOE, the Air Force and NDEP. To date, NDEP has not received this information. In order to fully understand the timeline, and to be able to perform independent verification of DOE's results, NDEP is requiring DOE to submit the following information no later than Sept. 15, 2000. In accordance with the provisions of part X11.4 of the FFACO, this date is hereby established as a **DEADLINE**.

- a. A complete listing of RESRAD (or hand calculation) parameters used in each scenario, for all soil sites on the Nellis Range complex, with **at least** the following level of detail: each parameter must be listed, stated whether the default or another value was used (including site-specific information), rationale/reference supporting any value that is not a default value, and documentation to include a copy of the actual portion of any document utilized. Hand calculations must also provide all work performed, not just a formula;
- b. A complete listing of proposed RESRAD parameters for the resident/rancher scenario. This is to include every parameter in the model with the same level of detail as outlined in a. above;

- c. Include in the parameters the Dose Conversion Factors (DCFs) which will be used in all RESRAD calculations (inhalation and ingestion). If these DCFs are not RESRAD default values, provide detailed justification/documentation for their use. This must also include a discussion of what values are dose-based versus risk-based.
- d. Identify the version of the RESRAD model used for each scenario as well as which version will be utilized for the resident/rancher scenario.

This information must be submitted in a clear consolidated manner, enabling appropriate individuals to run the relevant version of RESRAD, understand each and every parameter input and obtain the same end result as the DOE.

Dr. Ed Bentz and his colleagues, through Bentz and Associates, Inc. and the NRAMP Team, were conducting a Peer Review of the RESRAD modeling effort. This group requested additional site-specific information from DOE in 1998 to enable independent verification of DOE's RESRAD modelling efforts. NDEP requested to be kept apprised on the status of this review, however, since 1998, it appears that nothing further has been accomplished. Within 45 days of the date of this letter, DOE needs to submit to NDEP the status of this Peer Review.

If you have any questions, contact Mike McKinnon at (702) 486-2874, Karen Beckley at (775) 687-4670 extension 3033 or me at (775) 687-4670 extension 3039.

Sincerely,

Paul J. Liebendorfer, P.E.
Chief
Bureau of Federal Facilities

PJL/KKB/MDM/js

cc: Col G.C. Carpenter, USAF Liaison, DOE/NV, Las Vegas, NV
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